## National Pollutant Discharge Elimination System Wasteload Allocation Form

Part I:	Wasteload Allocation Form										
	Backgrou	ınd Inform	nation								
WLA Reques		Reissuance D		ansion $\square$	Relocati	ion $\square$	New 🗆				
Facility Name		lahira WPCP			Cour	_		w	'QMU: (	905	
NPDES Perm		A0037974			Expiration Da			Outfall Nu		001	
Receiving Wa			Franks Creek		River Bas			10-Digit		0311020405	
Discharge Ty		Omestic	Idilks Cicck		Tilvel Das	SIII. Suwaiiii	-	וטיטיא) Requested (N		0.275	
			an Uniond				FIOW(S	) nequested (r	vidib). (	J.213	
Ecoregion:		.4 – 65h, Tift								<del>  </del>	
	Additional Information: (history, special conditions, other facilities):  The City requested WLA evaluation in 2020 to relocate and expand its treatment system to Franks Creek or to another tributary to Franks Creek with an annual discharge.										
Requested by	/: Benoi	it Causse			Program:	WRP			Date:	4/19/2024	
Part II: Receiving Water Information											
Receiving Water: Trib. to Franks Creek to Little River to Withlacoochee River Designated Use Classification: Fishing											
							U			-	
Integrated 30			<del>_</del>	Suppor		Support: 🛛	Criteria			Ammonia Tox.	
Total Maximu				Parame	· / · ·			omplies with TN		es No 🗆	
										toxicity. TMDL	
for DO will be drafted by 2026. Current ammonia limit has been revised through this NPDES permit reissuance to address the ammonia											
toxicity issue and meet instream water quality criteria.											
Part III:	Water Q	uality Mod	del Review	Informat	ion						
Model Type:		orated $\square$	Calibrated		/erified	Cannot be N	/lodeled □	Mod	del Length	n (mi): <b>8.2</b>	
Field Data:	None I		Fair 🛛		Good $\square$	Excellent [			aoi zongu	. ().	
				_		OSAG model f	_	ther dischard	e (Novem	her-April)	
Critical Water		•		inage Area				streamflow at			
7Q10 Yield (d	•	0.0064		-	, ,				U	` '	
			vei	locity (range		0.4		streamflow at	J	` '	
Effluent Flow		0.42			C (%): 99			streamflow at	U	` '	
Slope (range		2 – 13	K1: <b>0.15</b>	K3:		K2: <b>3-5</b>		streamflow at	_		
SOD: 0.		e Coef. (ft <sup>-1</sup> ):			io BOD <sub>u</sub> /BOD <sub>5</sub> )					: See L4-65h	
Under cold weather conditions, the predicted minimum DO concentration is 5.5 mg/L, occurring approx. 0.7 miles downstream from the											
discharge location at the confluence with Franks Creek. *Average hardness value is 68 mg/L at WQ station RV_09_16324, approx. 0.2 miles downstream from the discharge.											
*Average ha	rdness value	∌ is 68 mg/L	at WQ station	RV_09_16	324, approx. (	0.2 miles dowr	istream froi	n the dischar	ge.		
				_							
Part IV:	Recomn	nended Pe	ermit Limita	itions ar	d Condition	ns (mg/L as	a month	lv average	except	as noted)	
Rationale:	Same as c		Revised		New □	( <b>g</b> /		,g.			
Location:		Tributary to			INCW [						
Location.	Ullilallieu										
		Titibulary to	TIAIIKS CIECK								
Effluent	DOD				————	TRC	Total	Total	TKN, N	itrite-Nitrate,	
Flow Rate	BOD <sub>5</sub>	NH <sub>3</sub> -N	DO (minimum)	E Coli (No./100ml)	pH (std. units)	TRC (daily max.)		Total Phosphorus		itrite-Nitrate,	
Flow Rate (MGD)		NH <sub>3</sub> -N	DO (minimum)	E Coli (No./100ml)	(std. units)	(daily max.)	litrogen	Phosphorus	Organio	c N, Ortho P	
Flow Rate	BOD <sub>5</sub>		DO	E Coli					Organio		
Flow Rate (MGD)  0.275	20	NH <sub>3</sub> -N	DO (minimum)	E Coli (No./100ml)	(std. units)	(daily max.)	litrogen	Phosphorus	Organio	c N, Ortho P	
Flow Rate (MGD)  0.275  Additional Co	20 mments:	NH <sub>3</sub> -N 1.0	DO (minimum) 5.0	E Coli (No./100ml) <b>126</b>	(std. units) 6.0 - 8.5	(daily max.) N	litrogen 20	3.6	Organio <b>M</b>	c N, Ortho P	
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